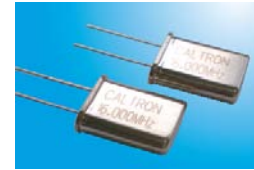


Research for Frequency Products

Crystal Unit High Profile
 10.7 x 4.7 x 13mm Thru-Hole
 1.8432MHz ~ 200.000MHz

Description

This is AT-cut thick shear crystal unit in high profile thru-hole hermetical seal metal package. Coverage wide frequency between 1.8432MHz ~ 200MHz. Vibration can be fundamental, 3rd or 5th overtone harmonic mode depends on circuit design. This crystal is suitable for Universal applications in CPU clock, iDTV, DBS, WLAN, Automotive.... Parts are supplied 1000pcs in bulk pack as standard.

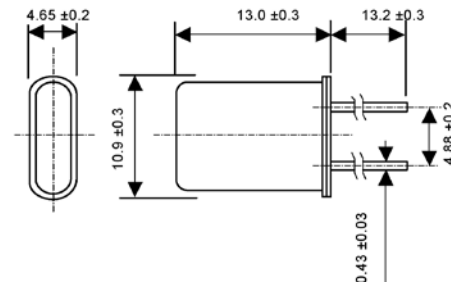


Features

Thin package height 13mm
 Tight Tolerance ± 5 ppm at room temp. available
 Tight Stability ± 2.5 ppm available
 Lower crystal impedance
 Low cost for manual PCBA or auto-insertion

RoHS Compliant

Outlines and Dimensions



Standard Parameters

Parameter	Specifications
Frequency Range	1.8432MHz ~ 200.00MHz
Vibration Mode	Fund/3 rd /5th Overtone
Frequency Tolerance @25°C	± 30 ppm (± 5 ppm option)
Frequency Stability vs Temp Range	± 50 ppm (± 2.5 ppm option)
Operating Temp. Range	-10 ~ +60 °C
Load Capacitance	8 ~ ∞ (Series)
Drive Level	100 μ W Max.
Shunt Capacitance	7.0pF Max.
Insulation Resistance	500M Ω Min. @ 100VDC
Aging (1st year)	± 5 ppm
Storage Temp. Range	-40 ~ 125 °C

Equivalent Series of Resistance

Frequency (MHz)	ESR (Max)
1.8432 ~ 2.000	600
2.4576	400
3.2768	250
4.000 ~ 5.999	100
6.000 ~ 9.999	80
10.000 ~ 11.999	60
12.000 ~ 13.999	40
14.000 ~ 29.999	30
30.000 ~ 38.000	25
38.001 ~ 100.000 3 rd Overtone	80
100 ~ 200 5th Overtone	100



Subject to change without notice



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